



Curriculum Vitae

Seth K. Williams, M.D.

Education

University of California, Berkeley, B.A., 1991 – 1995

University of California, San Diego, School of Medicine, M.D., 1996 – 2000

General Surgery Internship, July 2000 – June 2001
Department of Surgery, UC San Diego Medical Center, San Diego, CA

Orthopaedic Surgery Research Fellowship, July 2001 – June 2002
Department of Orthopaedic Surgery, UC San Diego Medical Center, San Diego, CA

Orthopaedic Surgery Residency, July 2002 – June 2006
Department of Orthopaedic Surgery, UC San Diego Medical Center, San Diego, CA

Spine Surgery Fellowship, July 2006 – August 2007
Department of Orthopaedics, University of Miami Miller School of Medicine
Jackson Memorial Hospital & Miami Children's Hospital, Miami, FL

AO Orthopaedic Surgery Trauma Fellowship, October & November 2007
Department of Orthopaedics, Middlemore Hospital, Auckland, New Zealand

Orthopaedic Surgery Trauma Visitation, January & February 2008
Department of Orthopaedics, Ulleval University Hospital, Oslo, Norway

Certification and Licensure

Board Certified, American Board of Orthopaedic Surgery, July 2010

Licensure: Wisconsin #61074-20
California, Florida: Retired/Inactive status

Present Appointment/Position

Associate Professor (CHS track), July 2017 – present
Department of Orthopedics & Rehabilitation
University of Wisconsin Department of Orthopedics & Public Health

Past Appointments/Positions

Assistant Professor (CHS track), November 2013 – June 2017
Department of Orthopedics & Rehabilitation
University of Wisconsin Department of Orthopedics & Public Health



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Assistant Professor, March 2008 – September 2013
Department of Orthopaedics
University of Miami Miller School of Medicine

Assistant Professor of Clinical Neurological Surgery, December 2010 – September 2013
Department of Neurological Surgery
University of Miami Miller School of Medicine

Professional Society Memberships

Lumbar Spine Research Society member, 2015 – present
International Society for the Advancement of Spine Surgery, 2015 – present
AO Trauma Faculty, November 2009 – present
Fellow, American Academy of Orthopaedic Surgeons
North American Spine Society Member, 2015 – present

Publications

Refereed Articles

George SG, Lebowhl NH, Pasquotti G, **Williams SK**. Percutaneous and Open Iliac Screw Safety and Accuracy Using a Tactile Technique with Adjunctive Anteroposterior Fluoroscopy. *Spine J* 18(9):1570 – 1577, 2018

Lubelski D, Alentado VJ, **Williams SK**, O'Rourke C, Obuchowski NA, Wang JC, Steinmetz MP, Melillo AJ, Benzel EC, Modic MT, Quencer R, Mroz TE. Variability in Surgical Treatment of Spondylolisthesis among Spine Surgeons. *World Neurosurg* 111:e564 – e572, 2018.

Alvin MD, Lubelski D, Ridwan A, **Williams SK**, Obuchowski NA, Steinmetz MP, Wang JC, Melillo AJ, Pahwa A, Benzel EC, Modic MT, Quencer R, Mroz TE. Spine Surgeon Treatment Variability: The Impact on Costs. *Global Spine J* 8(5), 498 – 506, 2018.

Ghobrial GM, Crandall CM, Lau A, **Williams SK**, Levi AD. Minimally-invasive Direct Pars Repair with Cannulated Screws and Recombinant Human Bone Morphogenetic Protein: Case Series and Literature Review. *Neurosurg Focus* 43(2);E6, 2017.

Williams SK, Quinnan SM. Percutaneous Lumbopelvic Fixation for Reduction and Stabilization of Sacral Fractures with Spinopelvic Dissociation Patterns. *J Orthop Trauma* 30(9); e318 – e324, 2016.

Wang MY, **Williams SK**, Mummaneni PV, Sherman JD. Minimally Invasive Percutaneous Iliac Screws: Initial 24 Case Experience with CT Confirmation. *Clin Spine Surg* 29(5);E222 – 225, 2016.

Lubelski D, **Williams SK**, O'Rourke C, Obuchowski NA, Wang JC, Steinmetz MP, Melillo AJ,



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Benzel EC, Modic MT, Quencer R, Mroz TE. Differences in the Surgical Treatment of Lower Back Pain Among Spine Surgeons in the United States. *Spine* 41(11); 978 – 986, 2016.

Mikula A, **Williams SK**, Anderson PA. The Use of Intraoperative Triggered Electromyography to Detect Misplaced Pedicle Screws: A Systematic Review and Meta-Analysis. *J Neurosurg Spine* 24(4); 624 – 638, 2016.

Patel AA, Zfass-Mendez M, Lebwohl NH, Wang MY, Green BA, Levi AD, Vanni S, **Williams SK**. Minimally Invasive Versus Open Lumbar Fusion: A Comparison of Blood Loss, Surgical Complications, and Hospital Course. *Iowa Orthop J* 35: 130-4, 2015.

Madhavan K, Vanni S, **Williams SK**. Direct Lateral Retroperitoneal Approach for the Surgical Treatment of Lumbar Diskitis/Osteomyelitis. *Neurosurg Focus* 37(2):E5, 2014.

Norton RP, Milne EL, Kaimrajh DN, Eismont FJ, Latta LL, **Williams SK**. "Biomechanical analysis of four- versus six-screw constructs for short-segment pedicle screw and rod instrumentation of unstable thoracolumbar fractures." *The Spine Journal* 14(8): 1734 – 1739, 2014.

Mroz TE, Lubelski D, **Williams SK**, O'Rourke C, Obuchiwski N, Wang JC, Steinmetz MP, Melillo AJ, Modic MT, Quencer R. Differences in the Surgical Treatment of Recurrent Lumbar Disc Herniation Among Spine Surgeons in the United States. *The Spine Journal* 14(10):2334 – 2343, 2014.

Widi GA, **Williams SK**, Levi AD. "Minimally invasive direct repair of bilateral lumbar spine pars defects in athletes." *Case Reports in Medicine*, Epub June 6, 2013, Article ID 659078.

Williams SK, Amiel D, Ball ST, Allen RT, Tontz WL, Emmerson BC, Badlani NM, Emery SC, Haghighi P, Bugbee WD. Analysis of Cartilage Tissue on a Cellular Level in Fresh Osteochondral Allograft Retrievals. *Am J Sports Med* 35(12):2022-32, 2007.

Ball ST, Goomer R, Ostrander R, Tontz W, **Williams SK**, Amiel D. Pre-Incubation of Perichondrial Cells in a Polylactic Acid Scaffold Enhances Donor Cell Retention. *Clin Orthop* 420:276-285, 2004.

Ball ST, Amiel D, **Williams SK**, Tontz W, Chen AC, Sah RL, Bugbee WD. The Effects of Storage on Fresh Human Osteochondral Allografts. *Clin Orthop* 418:246-252, 2004.

Williams SK, Amiel D, Ball ST, Allen RT, Wong VW, Chen A, Sah RL, Bugbee WD. Prolonged Storage Effects on the Articular Cartilage of Fresh Human Osteochondral Allografts. *J Bone Joint Surg* 85A:2111-2120, 2003.

White KK, **Williams SK**, Mubarak SJ. The Etiology of Anterior Superior Iliac Spine Avulsion Fractures: Two Types Defined. *J Pediatric Orthop* 22:578-582, 2002.

Higgins SL, Pak JP, Barone J, **Williams SK**, Bollinger FM, Whiting SL, Meyer DB. The First Year Experience with the Dual Chamber ICD. *Pacing Clin Electrophysiol* 23(1):18-25, 2000.

Higgins SL, **Williams SK**, Pak JP, Meyer DB. Indications for Implantation of a Dual-Chamber

Curriculum Vitae – Seth K. Williams, M.D.

Pacemaker Combined with an Implantable Cardioverter-Defibrillator. *Am J Cardiol* 81(11):1360-2, 1998.

Non-Refereed Articles

Awowale JT, **Williams SK**. The Efficacy of Autologous Laminectomy Bone Combined with Bone Graft Extenders in Posterolateral Lumbar Instrumented Fusion. *Seminars in Spine Surgery* 29(2):100-105, 2017.

Williams SK, Eismont FJ. Spine infections. *Orthopaedic Knowledge Online Journal* 2016;14(9).

Williams SK. A day in the life of a young spine surgeon. *Vertebral Columns, International Society for the Advancement of Spine Surgery, Volume 2, Issue 1, Spring 2016.*

Williams SK. Indirect Decompression for Lumbar Spinal Stenosis with the Minimally Invasive Lateral Approach. *Seminars in Spine Surgery* 25(3):154-163, 2013.

Williams SK, Eismont FJ. Concomitant Cervical and Lumbar Stenosis: Strategies for Treatment and Outcomes. *Seminars in Spine Surgery* 19(3):165-176, 2007.

Williams SK, Brage M. Heel Pain – Plantar Fasciitis and Achilles Enthesopathy. *Clin Sports Med* 23(1):123-44, 2004.

Kauffman CP, **Williams SK**, Stimson L, Garfin SR. Spinal Granulomatous Infection: Treatment in the Year 2000. *Seminars in Spine Surgery* 12(4):192-202, 2000.

Chapters in Books

Garrard E, Anderson PA, **Williams SK**. “New Concepts in the Management of Thoracolumbar Fractures.” *Skeletal Trauma: Basic Science, Management, and Reconstruction, 6th Edition*, Editors Browner BD, Jupiter JB, Krettek, Anderson PA. Saunders Elsevier, Philadelphia, Pennsylvania, 2018.

Gjolaj J, **Williams SK**. “Thoracic and Lumbar Spinal Injuries.” *Rothman - Simeone. The Spine, 7th Edition*. Editors Herkowitz HN, Garfin SR, Eismont FJ, Bekk GR, Balderston RA. Saunders Elsevier, Philadelphia, Pennsylvania, 2017.

Williams SK, Eismont FJ. “Spine Infections.” *Orthopaedic Knowledge Update 12*. American Academy of Orthopaedic Surgeons, Rosemont, IL, 2017.

Hirsch BP, **Williams SK**. “Complications of Percutaneous Pedicle Screw Fixation.” *Spinal Instrumentation: Challenges and Solutions, 2nd Edition*. Editors Vaccaro AR, Kim DH, Radcliff K. Thieme Medical Publishers, New York, NY, 2017.

Belin EJ, Neal VI J, Tannous O, Anderson PA, **Williams SK**, Ludwig SC. “New Concepts in the Management of Thoracolumbar Fractures.” *Skeletal Trauma: Basic Science, Management,*



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and Reconstruction, 5th Edition, Editors Browner BD, Jupiter JB, Krette, Anderson PA. Saunders Elsevier, Philadelphia, Pennsylvania, 2014.

Williams SK, Eismont FJ. “Thoracic and Lumbar Spinal Injuries.” Rothman - Simeone. The Spine. 6th Edition. Editors Herkowitz HN, Garfin SR, Eismont FJ, Bekk GR, Balderston RA. Saunders Elsevier, Philadelphia, Pennsylvania, 2011.

Williams SK, Eismont FJ. “Spine Infections.” Orthopaedic Knowledge Update: Musculoskeletal Infections. Editors Cierny III G, McLaren AC, Wongworawat MD. American Academy of Orthopaedic Surgeons, Rosemont, IL, 2009.

Vadeboncoeur T, **Williams SK**: “Tibial/Fibular Shaft Fracture.” Rosen and Barkin's 5-Minute Emergency Medicine Consult. 3rd Edition. Editors Schaidler JJ, Hayden SR, Wolfe RE, Barkin RM and Rosen P. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, 2007.

Vadeboncoeur T, **Williams SK**: “Tibial/Fibular Shaft Fracture.” Rosen and Barkin's 5-Minute Emergency Medicine Consult. 2nd Edition. Editors Schaidler JJ, Hayden SR, Wolfe RE, Barkin RM and Rosen P. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, 2003.

Williams SK, Kauffman CP, Stimson L, Garfin SR: “Tuberculous Infections of the Spine.” Principles and Practice of Spine Surgery. Editors Vaccaro AR, Betz RR, Zeidman SM. Mosby, Philadelphia, Pennsylvania, 2003.

Abstracts

Bice M, Stokman J, Wilson N, Vincent S, **Williams S**. The Utility of Intraoperative Neuromonitoring for Minimally Invasive Lateral Approach to the Lumbar Spine. Podium Presentation, Lumbar Spine Research Society Eleventh Annual Meeting, Chicago, IL, April 4 – 5, 2018.

Bice M, Stokman JJ, Wilson NM, Vincent SA, Li G, **Williams SK**. The Utility of Intraoperative Neuromonitoring for Minimally Invasive Lateral Approach to the Lumbar Spine. Podium Presentation, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 6 – 9, 2018.

Williams SK. Percutaneous Lumbopelvic Fixation Technique for Reduction and Stabilization of Sacral Fractures with Spinopelvic Dissociation Patterns. Podium Presentation, Lumbar Spine Research Society Ninth Annual Meeting, Chicago, IL, April 14 – 15, 2016.

Williams SK. Percutaneous Lumbopelvic Instrumentation for Sacral Fractures with Spinopelvic Dissociation. E-poster presentation, Paper # P174, North American Spine Society 30th Annual Meeting, Chicago, IL, October 14 – 17, 2015.

Quinnan SM, **Williams SK**. Percutaneous Lumbopelvic Instrumentation for Sacral Fractures with Spinopelvic Dissociation. E-poster presentation, Orthopaedic Trauma Association Annual Meeting, San Diego, CA, October 7 – 10, 2015.

Curriculum Vitae – Seth K. Williams, M.D.

Williams SK. Percutaneous Pedicle Screw Accuracy Using a Primarily AP Fluoroscopy Technique in Trauma Patients. Podium Presentation, Lumbar Spine Research Society Eighth Annual Meeting, Chicago, IL, April 9 – 10, 2015.

Rynearson B, **Williams SK**, Savage JW, Hetzel SJ, Belford Z, Anderson PA. The Effect of Weightbearing on Non-Operative Thoracolumbar Spine Fractures and Prognostic Variables of Sagittal Angle Deformation. Podium Presentation, Lumbar Spine Research Society Eighth Annual Meeting, Chicago, IL, April 9 – 10, 2015.

Williams SK, Quinnan SM. Percutaneous Lumbopelvic Instrumentation for Highly Unstable Sacral Fractures with Spino-Pelvic Dissociation. Podium presentation, Lumbar Spine Research Society Seventh Annual Meeting, Chicago, IL, May 1 – 2, 2014.

Williams SK, Zfass-Mendez M, Patel AA, Wang MY, Green BA, Lebwohl NH, Levi AD, Vanni S. Minimally Invasive Transforaminal Lumbar Interbody Fusion Versus Open Lumbar Laminectomy and Fusion: Blood Loss Surgical Complications and Length of Hospital Stay. E-poster presentation, Lumbar Spine Research Society Seventh Annual Meeting, Chicago, IL, May 1 – 2, 2014.

George SG, Lebwohl NH, Pasquotti G, **Williams SK**. CT-Confirmed Accuracy of Open and Percutaneous Iliac Screw Placement Using Anteroposterior Fluoroscopy. E-poster presentation, Lumbar Spine Research Society Seventh Annual Meeting, Chicago, IL, May 1 – 2, 2014.

Williams SK, Quinnan SM, Percutaneous Lumbopelvic Instrumentation for Highly Unstable Sacral Fractures with Spino-Pelvic Dissociation. Podium presentation, Annual American Academy of Orthopaedic Surgeons (AAOS) Meeting, New Orleans, LA, Mar 11 – 15, 2014.

Madhavan K, George SG, **Williams SK**, Vanni S. Adjacent Level Disease Management with the Direct Lateral Retroperitoneal Approach. Digital poster presentation, 81st American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, New Orleans, LA, Apr 27 – May 1, 2013.

Lubelski D, Mroz TE, **Williams S**, Wang JC, Steinmetz MP, Modic MT, Quencer R. Geographic Location, Specialty, Training, and Practice Type Influence Choice of Surgical Treatment of Common Lumbar Pathologies. 81st American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, New Orleans, LA, Apr 27 – May 1, 2013.

Quencer R, Modic MT, Obuchiwski N, Steinmetz MP, Wang JC, **Williams SK**, Lubelski D, Mroz TE. Variations in Surgical Approaches to Lumbar Spine Disease: A Nationwide Survey and Analysis. E-Poster presentation, American Society of Neuroradiology (ASNR) 51ST Annual Meeting, San Diego, CA, May 18 – 23, 2013.

Mroz TE, Lubelski D, **Williams S**, Wang JC, Steinmetz MP, Modic MT, Quencer R. Geographic Location, Specialty, Training, and Practice Type Influence Choice of Surgical Treatment of Common Lumbar Pathologies. Global Spine Congress Annual Meeting, Hong Kong, April 2013.



Curriculum Vitae – Seth K. Williams, M.D.

Madhavan K, Vanni S, Levi AD, **Williams SK**. Pure Lateral Retroperitoneal Approach for Osteomyelitis/Diskitis. Digital poster presentation, 2013 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ, Mar 6 – 9, 2013.

Lubelski D, Mroz TE, **Williams S**, Wang JC, Steinmetz MP, Modic MT, Quencer R. Geographic Location, Specialty, Training, and Practice Type Influence Choice of Surgical Treatment of Common Lumbar Pathologies. 2013 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ, Mar 6 – 9, 2013.

Norton RP, Milne EL, Kaimrajh DN, Eismont FJ, Latta LL, **Williams SK**. Biomechanics of Short-Segment Fixation in an Unstable Thoracolumbar Flexion-Distracton Injury Model: 6-Screw Construct with and without Facet Compression. Podium presentation, 2012 Annual Meeting of the Orthopaedic Trauma Association, Minneapolis, MN, Oct 2 – 6, 2012.

Williams SK, Norton RP, Milne EL, Kaimrajh DN, Eismont FJ, Latta LL. Short Segment Fixation of an L1 Compression Fracture – 4 versus 6 Screws. Podium presentation, 2012 Annual Meeting of the Orthopaedic Trauma Association, Minneapolis, MN, Oct 2 – 6, 2012.

Norton RP, Milne E, Kaimrajh D, **Williams SK**, Eismont F, Latta, L. Short Segment Fixation of An L1 Compression Fracture – 4 vs. 6 Screws. Poster presentation, 2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, Feb 4 – 7, 2012.

Norton RP, Milne E, Kaimrajh D, **Williams SK**, Eismont F, Latta, L. Biomechanical Analysis of Short Segment Fixation in an Unstable Thoracolumbar Flexion-Distracton Injury Model: 6-Screw Construct with and without Facet Compression. Poster presentation, 2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, Feb 4 – 7, 2012.

Derasari AM, Rowshan K, Tufts RE; **Williams SK**. Percutaneous Pedicle Screw Fixation for Spine Fractures. E-poster, 17th Meeting on Advanced Spine Techniques (IMAST), Toronto, Canada, July 21 – 24, 2010.

Derasari AM, Rowshan K, **Williams SK**. Safety and Feasibility of Percutaneous Pedicle Screw Fixation in the Treatment of Thoracic and Lumbar Spine Fractures. Podium presentation, Western Orthopaedic Association (WOA) 74th Annual Meeting, Monterey, CA, Aug. 4 – 7, 2010.

Williams SK, Newton PO, Samdania A, Betz RR, Lonner B, Sponseller PD, Shufflebarger HL. Vertebral Column Resection for Pediatric Deformity: Neuromonitoring Events and Correction Magnitude. Podium presentation, North American Spine Society (NASS) Annual Meeting, San Francisco, CA, Nov. 10-14, 2009.

Williams SK, Newton PO, Samdania A, Betz RR, Lonner B, Sponseller PD, Shufflebarger HL. Vertebral Column Resection for Pediatric Deformity: Neuromonitoring Events and Correction Magnitude. Podium presentation, Scoliosis Research Society (SRS) Annual Meeting, San Antonio, TX, Sept. 23 – 26, 2009.

Williams SK, Amiel D, Ball ST, Allen RT, Tontz WL, Emmerson B, Emery SC, Haghghi P, Bugbee WD: Fresh Human Osteochondral Retrievals: Chondrocyte Viability, Cartilage



Curriculum Vitae – Seth K. Williams, M.D.

Matrix, and Subchondral Bone Analysis. 6th Symposium, International Cartilage Repair Society (ICRS), San Diego, CA, Jan 8 – 11, 2006. **Finalist, Best Podium Presentation.**

Allen RT, Robertson CM, Sasho T, Harwood FL, **Williams SK**, Pomerleau AC, Amiel D: Characterization of Mature versus Aged Articular Cartilage: Analysis of Cell Density, Apoptosis-Related Gene Expression and Mechanisms Controlling Chondrocyte Apoptosis. Smith and Nephew Resident Research Competition, Memphis, TN, August 20 – 21, 2004.

Allen RT, Robertson CM, Bugbee WD, Harwood F, **Williams SK**, Amiel D: Evaluation of Osteochondral Allografts Prior to Transplantation. 5th Symposium of the International Cartilage Repair Society (ICRS), Abstract #478, Gent, Belgium, May 26 – 29, 2004.

Williams SK, Amiel D, Ball ST, Allen RT, Tontz W, Haghighi P, Emery SC, Bugbee WD: Fresh Human Osteochondral Allograft Retrievals: Reasons for Failure. 71st Annual American Academy of Orthopaedic Surgeons (AAOS) Meeting, #P351, San Francisco, CA, March 10 – 14, 2004.

Williams SK, Allen RT, Amiel D, Ball ST, Wong VW, Chen A, Sah RL, Bugbee WD: Storage Duration and Conditions for Fresh Osteochondral Allografts Used for Cartilage Repair. 71st Annual American Academy of Orthopaedic Surgeons (AAOS) Meeting, #P349, San Francisco, CA, March 10 – 14, 2004.

Williams SK, Bugbee WD, Ball ST, Tontz WL, Allen RT, Haghighi P, Emery SC, Amiel D. Retrieved Fresh Human Osteochondral Allografts: Analysis of Articular Cartilage, Chondrocytes and Subchondral Bone. World Congress, OsteoArthritis Research Society International (OARSI), Berlin, Germany, Oct 12 – 15, 2003. **Young Investigator Award.** Osteoarth Cart 11(Suppl 1):S9, M22.

Williams SK, Bugbee WD, Ball ST, Allen RT, Wong VW, Chen A, Sah RL, Amiel D. Comparison of Storage Methods for Fresh Human Osteochondral Allografts Used for Cartilage Repair Procedures. World Congress, OsteoArthritis Research Society International (OARSI), Berlin, Germany, Oct 12 – 15, 2003. Osteoarth Cart 11(Suppl 1):S20, P53.

Williams SK, Amiel D, Ball ST, Wong VW, Chen A, Sah RL, Bugbee WD: Storage Conditions for Fresh Osteochondral Allografts Used in Cartilage Repair Procedures. Smith and Nephew Resident Research Competition, Memphis, TN, Aug 22 – 23, 2003.

Mubarak SJ, White KK, **Williams SK**: Anterior Superior Iliac Spine Avulsion Fractures: Two Types Defined. Annual Meeting, American Bone and Joint Society, Paris, France, May 2003.

Ball ST, Goomer R, Ostrander R, Tontz W, **Williams SK**, Amiel D: Pre-Incubation of Perichondrial Cells in a Polylactic Acid Scaffold Enhances Donor Cell Retention. California Orthopaedic Association (COA) Annual Meeting, San Francisco, CA, May 1 – 3, 2003. **DePuy Orthopaedic Research Award.**

Williams SK, Amiel D, Ball ST, Allen RT, Wong VW, Chen A, Sah RL, Bugbee WD: Effects of Storage on the Articular Cartilage of Fresh Human Osteochondral Allografts. California Orthopaedic Association (COA) Annual Meeting, San Francisco, CA, May 1 – 3, 2003. **OREF**

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Resident Research Award.

Eves WC, Tasto JP, Amiel D, Ball ST, **Williams SK**: In Situ Assessment of Chondrocyte Cell Death in Bovine Articular Cartilage Using a Bipolar Radiofrequency Wand and a Mechanical Shaver. Arthroscopy Association of North America (AANA) Annual Meeting, Poster #E-87, Phoenix, AZ, Apr 24 – 27, 2003.

Ball S, Chen A, **Williams S**, Tontz W, Sah R, Bugbee W, Amiel D: The Time-Dependent Effects of Storage on Fresh Human Osteochondral Allografts. 22th World Congress of Societe Internationale de Recherche Orthopedique et de Traumatologie (SIROT), San Diego, CA, Aug 23 – 30, 2002.

Ball S, Amiel D, **Williams SK**, Tontz W, Chen AC, Amiel M, Sah RL, Bugbee WD: Storage of Fresh Human Osteochondral Allografts: Enhancement of Preservation. Western Orthopaedic Association Annual Meeting, Maui, HI, Aug 1 – 4, 2002. **Vernon P. Thompson and Lloyd W. Taylor Award.**

Williams SK, Amiel D, Ball ST, Wong VW, Chen A, Sah RL, Bugbee WD: Fresh Osteochondral Allografts: Time-Dependent Storage Effects. International Cartilage Repair Society (ICRS) Annual Meeting, Session 57:#6, Toronto, Canada, June 15 – 18, 2002.

White KK, **Williams SK**, Mubarak SJ: The Etiology of Anterior Superior Iliac Spine Avulsion Fractures: Two Types Defined. Annual Meeting, Pediatric Orthopaedic Society of North America, Salt Lake City, UT, May 2002.

Patents

3 patents granted in 2018

Educational Activities & Presentations

Classroom Teaching

CME Presentations

Departmental

UWSMPH Department of Orthopedics & Rehabilitation, October 2018
Grand Rounds Presentation: “Intellectual Property”

UWSMPH Department of Orthopedics & Rehabilitation, Spring Visiting Professor, April 2018
Debate: “L4/5 Degenerative Spondylolisthesis”
“Evolution of Thoracolumbar Trauma Management”
“Timing of Intervention for Central Cord Syndrome”

UWSMPH Department of Orthopedics & Rehabilitation, April 2017



University of Wisconsin
SCHOOL OF MEDICINE
AND PUBLIC HEALTH

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Grand Rounds Presentation: “Allograft Bone.”

UWSMPH Department of Orthopedics & Rehabilitation, April 2016

Grand Rounds Presentation: “When the Radiologist and the Patient Don’t Agree: Determining the Symptomatic Nerve Root.”

UWSMPH Department of Orthopedics & Rehabilitation, April 2015

Grand Rounds Presentation: “Thoracolumbar Spine Fractures.”

UWSMPH Department of Orthopedics & Rehabilitation, April 2014

Grand Rounds Presentation: “Minimally Invasive Techniques for Spine Trauma, Tumors, and Infections.”

University of Miami Department of Orthopaedics, May 2008

Grand Rounds Presentation: “Cartilage Transplantation.”

UWSMPH/Hospital

UWSMPH Department of Neurosurgery, November 2017

Grand Rounds Presentation: “New Concepts in the Treatment of Thoracolumbar Trauma.”

UWSMPH Department of Anesthesiology, July 2016

Grand Rounds Presentation: “Minimizing the Physiological Effects of Spine Surgery.”

Neurosurgery and Orthopedic Surgery Multidisciplinary Spine Case Conference, UWHC.

Faculty, University of Wisconsin Spine Surgery Review, February 2016.

Faculty, University of Wisconsin Spine Surgery Review, February 2015.

State & Regional

Dodgeville Hospital Internal Medicine Grand Rounds, August 2014

Presentation: “Minimally Invasive Spine Surgery – Fad or Here to Stay?”

Florida Orthopaedic Society Annual Meeting, May/June 2013

Presentation: “Minimally Invasive Techniques for Spine Tumors, Infections, and Trauma.”

University of Miami Department of Orthopaedics Alumni Day, October 2012

Presentation: “Minimally Invasive Techniques for Spine Tumors, Infections, and Trauma.”

University of Miami Department of Orthopaedics Alumni Day, September 2011

Presentation: “Lumbar Disk Disease [in Athletes].”

Florida Orthopaedic Society Annual Meeting 2010

Presentation: “Combined Spine and Pelvic Trauma.”



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National/International

Faculty, North American Spine Society Annual Meeting, September 27, 2018, Los Angeles, California. Symposium: Section on Minimally Invasive Procedures – Latest Advances in Minimally Invasive Spine Surgery.

Podium Presentation: Spine Trauma – MIS Stabilization Options

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Instructional Course Lecture, March 2018, New Orleans, LA: Degenerative Spondylolisthesis – An Evidence-Based Assessment of Treatment Options and Outcomes.

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Instructional Course Lecture, March 2018, New Orleans, LA: Platelet-Rich Plasma, Bone Morphogenetic Protein, and Stem Cells – What Surgeons Need to Know.

Podium Presentation: Allograft Bone

Faculty, AOTrauma North America Basic Principles of Fracture Management for Residents, September 14 – 17, 2017, Phoenix, AZ.

Podium Presentation: “Bone Healing”

Practical Exercise Moderator: “Relative Stability”

Table instructor

Moderator, Lumbar Spine Research Society 10th Annual Meeting podium paper presentation session, “Patient Satisfaction.” April 7, 2017, Chicago, Illinois.

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Specialty Day, Federation of Spine Associations, March 2017, San Diego, California.

Podium Presentation: MIS and Fusionless Fracture Stabilization

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Instructional Course Lecture, March 2017, San Diego, California: Degenerative Spondylolisthesis – An Evidence-Based Assessment of Treatment Options and Outcomes.

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Instructional Course Lecture, March 2017, San Diego, California: Platelet-Rich Plasma, Bone Morphogenetic Protein, and Stem Cells – What Surgeons Need to Know.

Podium Presentation: Allograft Bone

Faculty, North American Spine Society Annual Meeting, October 27, 2016, Boston, Massachusetts. Section on Minimally Invasive Procedures: Minimally Invasive Spine Procedures from A to Z.

Podium Presentation: Percutaneous Spinal Procedures – Will They Ever Replace Open Procedures?

Faculty, American Academy of Orthopaedic Surgeons Annual Meeting Instructional Course Lecture, March 2, 2016, Orlando, Florida: Degenerative Spondylolisthesis – An

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Evidence-based Assessment of Treatment Options and Outcomes.

Faculty, AAOS/CSRS Cervical Spine: Cutting Edge Surgical Techniques, September 2015, Chicago, IL.

Podium Presentation: “How to Determine the Symptomatic Root and When to Perform a 2 Level ACDF vs. a Single Level.”

Faculty, Spine Study Group/ACSR Meeting: Spine A – Z, May 2015, Aventura, FL

Podium Presentation: “When Is It Appropriate to Consider MIS in Trauma?”

Podium Debate: “Degenerative Thoracolumbar Scoliosis: MIS is Better”

Faculty, AAOS Spinal Surgery: State-of-the-Art Techniques and Science, November 2013, Chicago, IL.

Podium Presentation: “MIS Techniques for Discectomy, Laminectomy, & TLIF. When? How? Pitfalls.”

Live Surgical Demonstration: “MIS TLIF”

Faculty, Spine Study Group/Association for Collaborative Spine Research Winter Meeting, February 2013, San Diego, CA

Podium Presentation: “DBM is the Best Extender for Local Bone Graft.”

Podium Presentation: “Epidural Metastatic Disease. Cyberknife vs Traditional Radiotherapy.”

Faculty, AAOS Spinal Surgery: State-of-the-Art Techniques and Science, September 2012, Chicago, IL.

Podium Presentation: “MIS Techniques for Discectomy, Laminectomy, & TLIF. When? How? Pitfalls.”

Live Surgical Demonstration: “MIS TLIF”

Faculty, The Spine Study Group 23rd Symposium, May 2012, Palm Beach, FL

Podium Presentation: “Lumbar Facet Injections.”

Podium Presentation: “Interspinous Spacers”

Faculty, AO Trauma Principles Course, November 2012, Las Vegas, NV

Podium Presentation: “Bone Healing.”

Table Instructor

Faculty, The Spine Study Group 22nd Symposium, May 2011, Palm Beach, FL

Podium Presentation: “Thoracolumbar Burst Fractures without Neurological Impairment: They Do Fine in a Brace.”

Podium Presentation: “MIS in Tumors and Infections.”